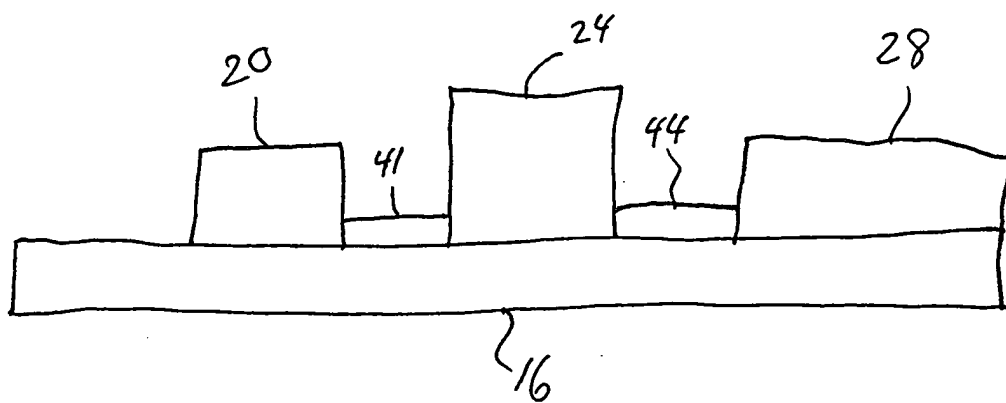


Figure 1



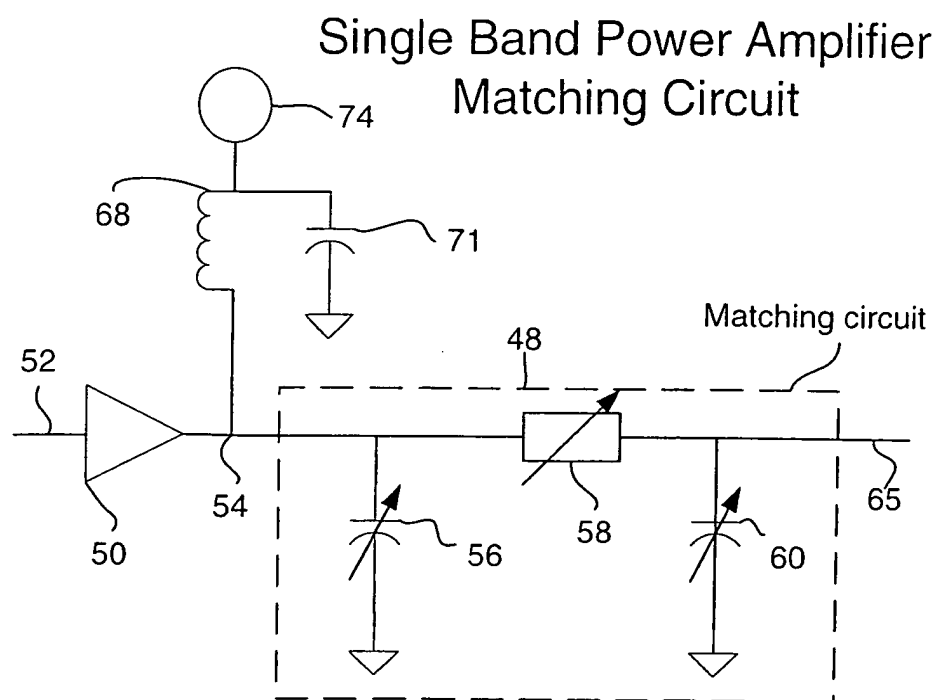


Fig. 2

Single Band Power Amplifier Matching Circuit

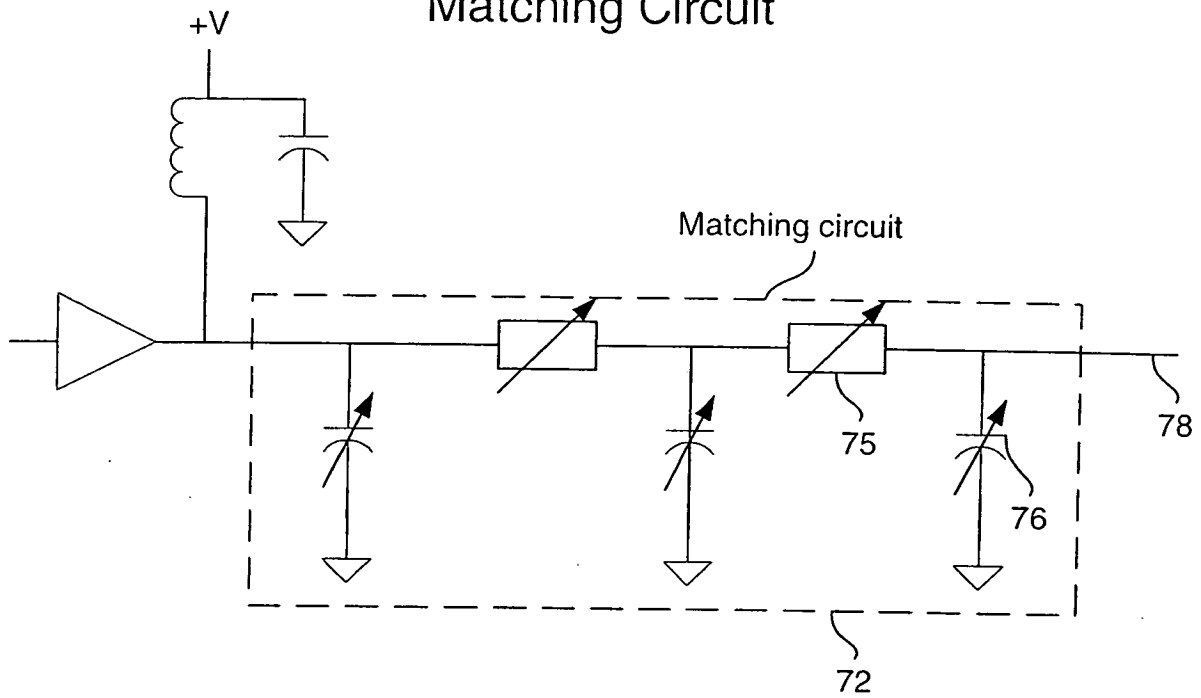


Fig. 3

Multiband Power Amplifier Matching Circuit

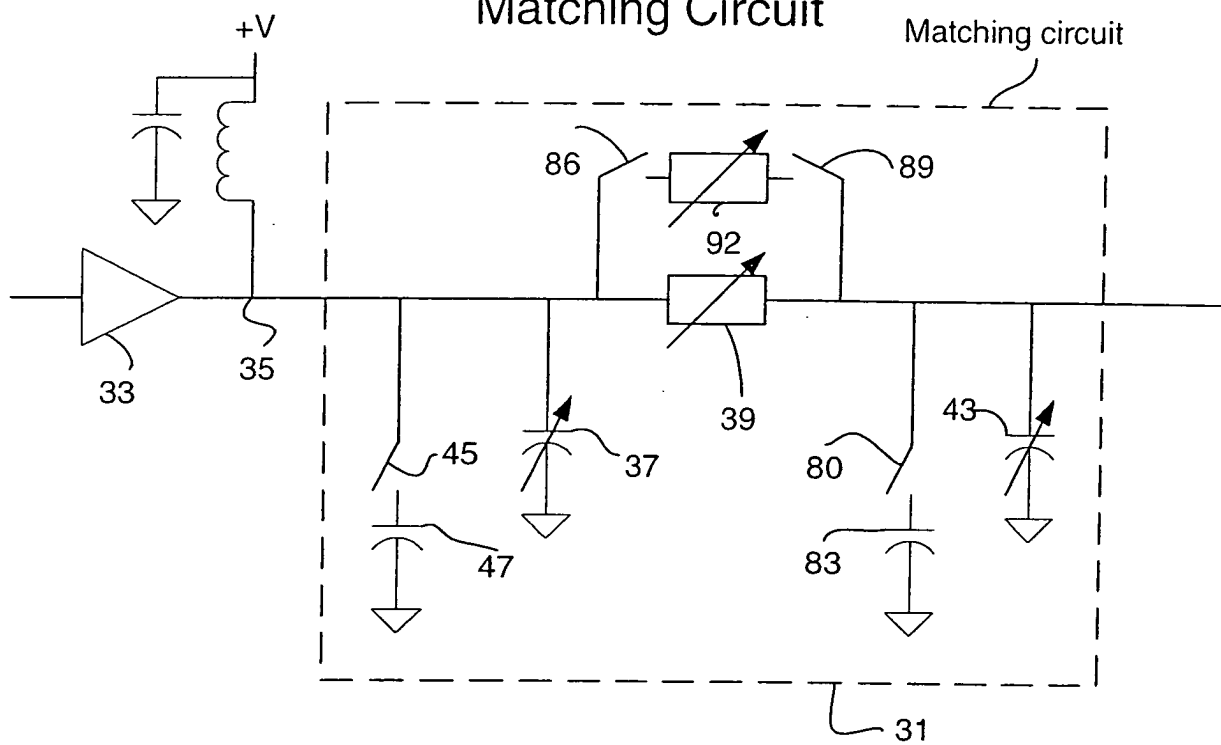


Fig. 4A

Fig 4B

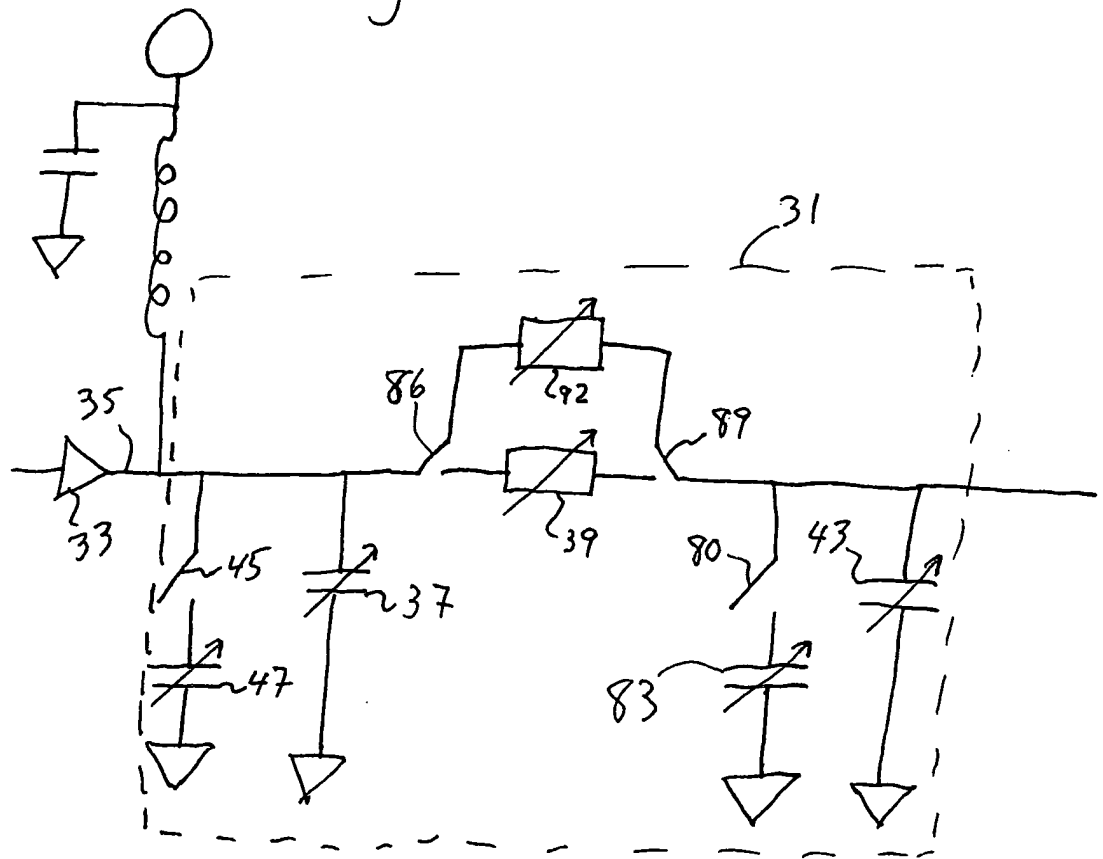
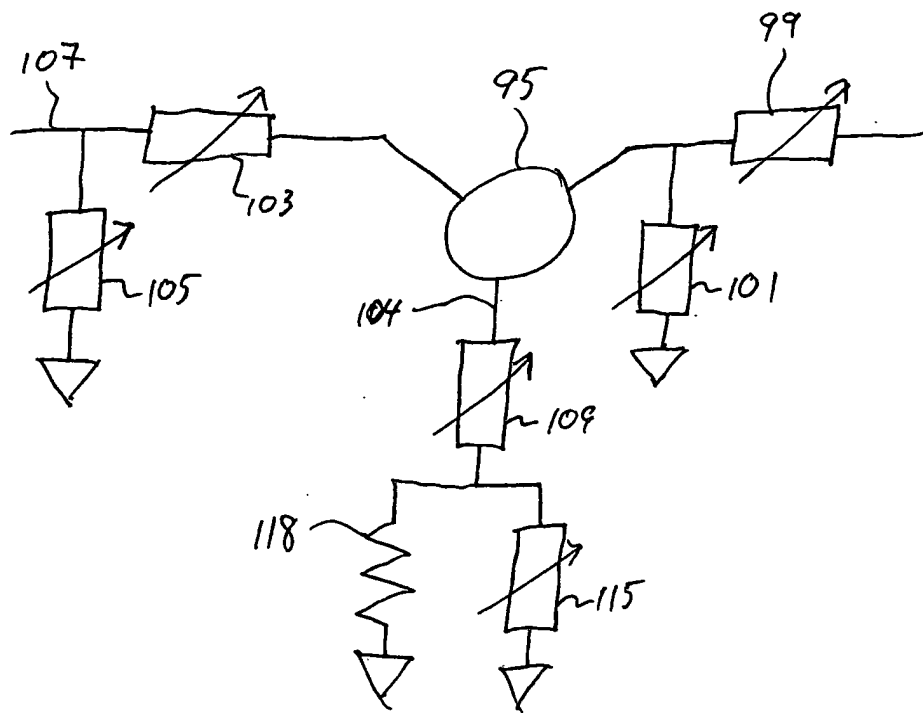


Fig. 5



LNA Matching Circuit

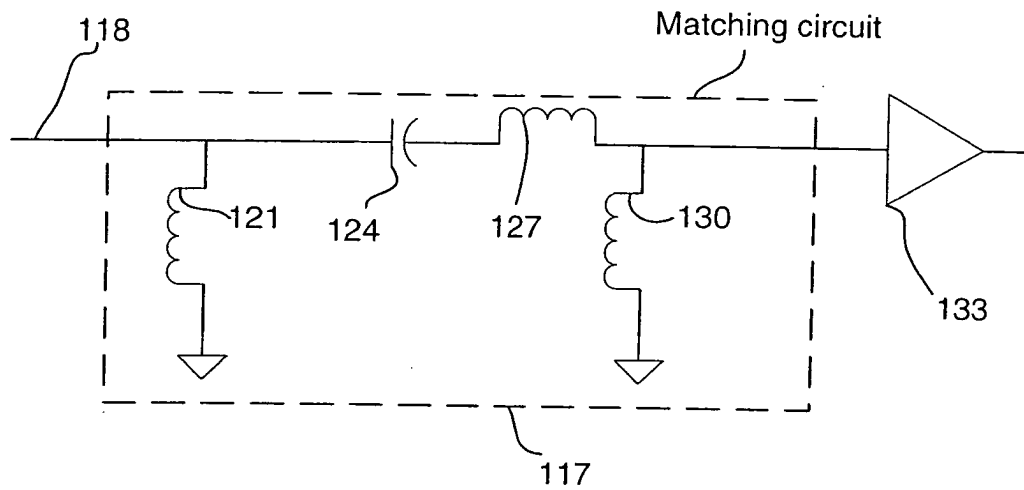
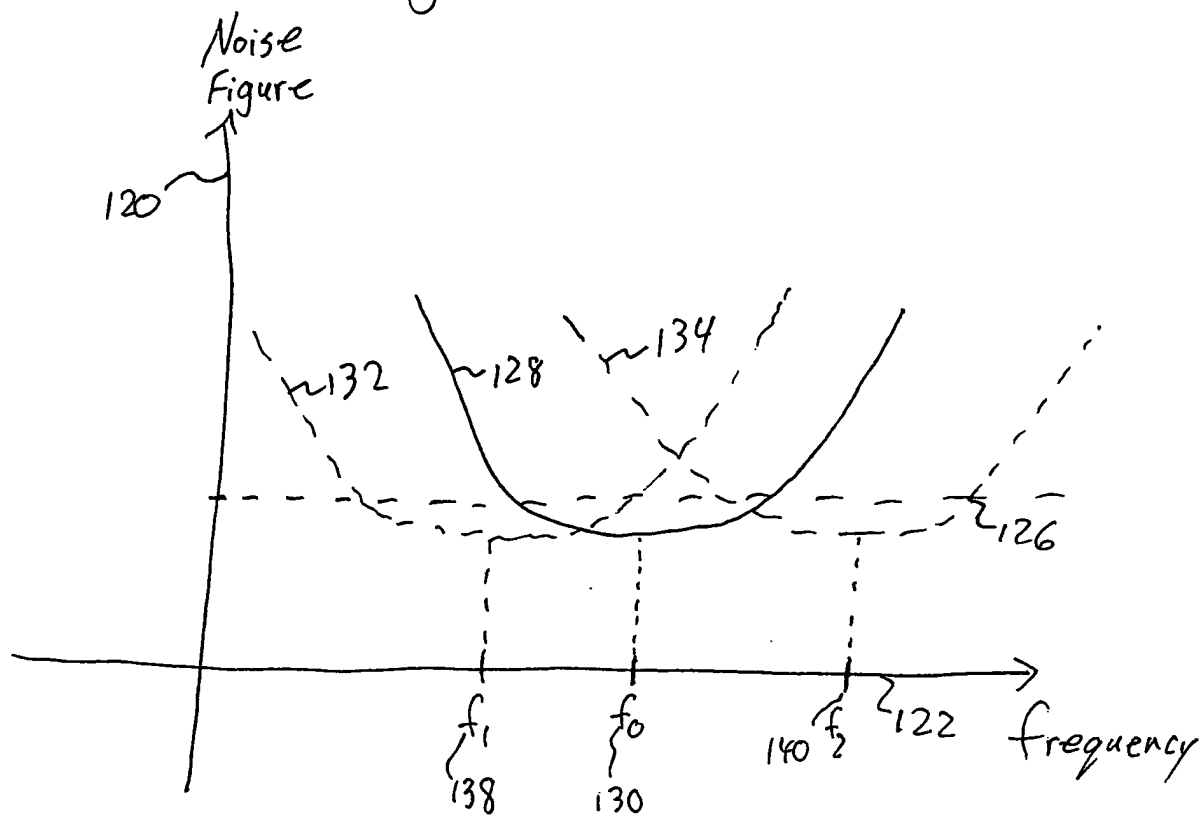


Fig. 6A

Fig 6B



Antenna Matching Circuit

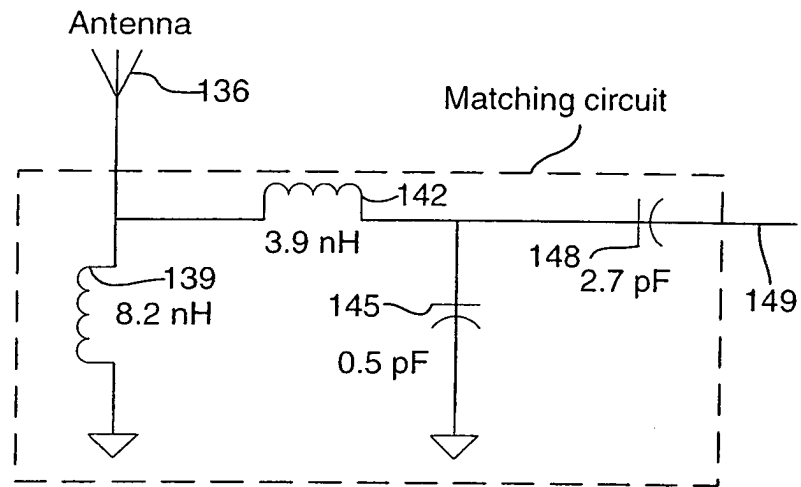
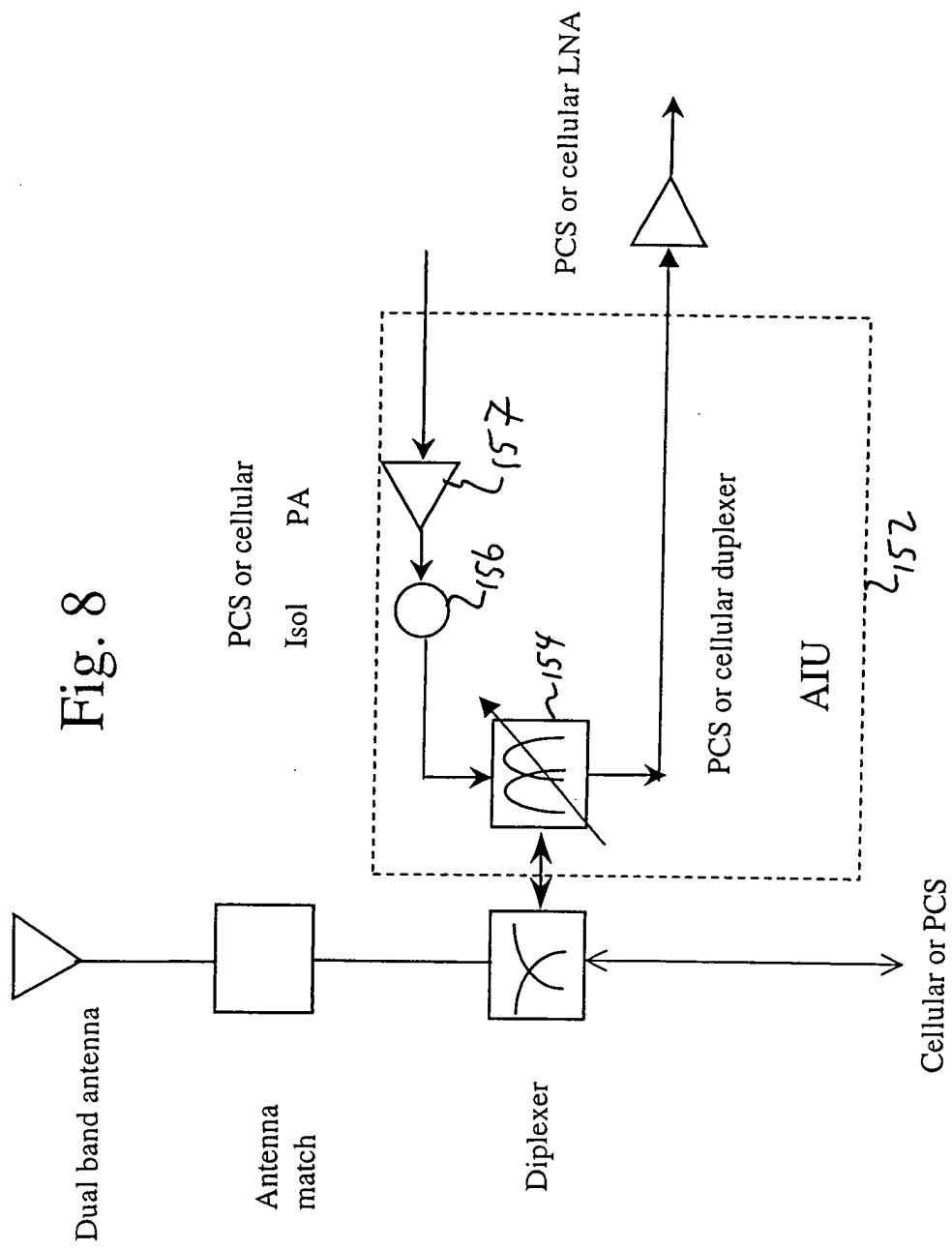


Fig. 7



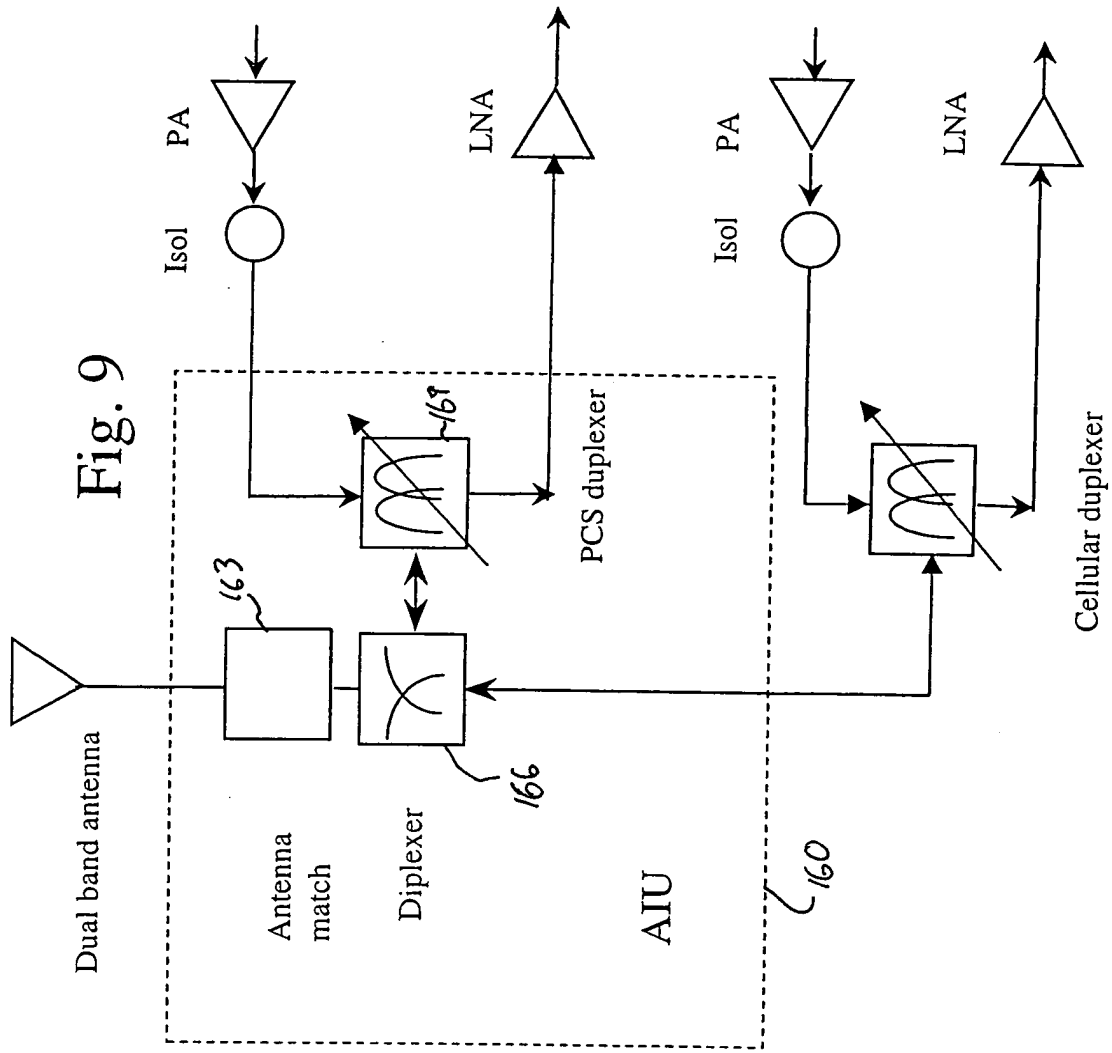


Fig. 10

The diagram illustrates a dual-band antenna system. A **Dual band antenna** is connected to an **Antenna match** block (175). This is followed by a **Diplexer** block (178). The system is divided into two main sections by a dashed line labeled **AIU** (171). The **PCS duplexer** section contains a duplexer block (181) that receives signals from the diplexer and the antenna match. It is connected to an **Isol** (isolation) block and a **PA** (Power Amplifier). The **Cellular duplexer** section contains a duplexer block (184) that receives signals from the diplexer and the antenna match. It is connected to an **Isol** block and an **LNA** (Low Noise Amplifier). Both sections also include an **LNA** block for signal processing.

